Remedial Action Progress Report 6
February 1, 2010 through April 30, 2010
for
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

(USEPA No. NJD980529879)

May 20, 2010

Prepared for:

Rohm and Haas Chemicals, LLC

Prepared by:

PARSONS

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Attachments

Section 1 – Introduction

This progress report for the Ventron/Velsicol Superfund Site Operable Unit One (OU-1), referred to as the Site, located in the Boroughs of Wood-Ridge and Carlstadt, New Jersey summarizes the status of remedial actions being performed as described in the: Undeveloped Area Remedial Action Workplan (RAW), approved by the New Jersey Department of Environmental Protection (NJDEP) on July 3, 2008; and the Developed Area RAW, approved by the United States Environmental Protection Agency (USEPA) on October 6, 2009. This progress report covers the period from February 1, 2010 to April 30, 2010. The progress report is being submitted pursuant to the Administrative Consent Order (ACO) between Morton International, Inc. and the NJDEP as well as the quarterly progress reporting requirements of both RAW's. This report has been prepared in accordance with New Jersey Administrative Code (N.J.A.C.) Section 7:26E-6.6(b).

The components of the remedial action presented in the Undeveloped Area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site;
- Excavation of the former drain line;
- Excavation of Ventron/Velsicol site-related constituents from the Lin-Mor property;
- Excavation of the 55-foot buffer area;
- Wolf Warehouse air monitoring; and
- Deed notices for Custodial Trust, Prince Packing, and Blum properties.

The components of the remedial action presented in the Developed area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site;
- Improvements to the West Ditch;
- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse;
- Installation of site caps on the developed and undeveloped areas;
- Installation of storm water controls in the developed and undeveloped areas;
- Monitoring of ground water at the Site;
- Contaminant flux monitoring between the Site and the adjoining water ways; and
- Deed notices for the Wolf Warehouse, U.S. Life Warehouse, Norfolk Southern property, Ethel Boulevard, and the EJB property.

The progress report is organized as follows:

- Section 1 – Introduction;
- Section 2 – Remedial Actions Summary;
- Section 3 – Permitting Application Status;
- Section 4 – Sampling Results and Waste Generated; and
- Section 5 – Cost Summary.

Section 2 – Remedial Actions Summary

2.1 Remedial Actions Status

This section summarizes the status of remedial actions at the Site for the reporting period. **Table 1**, attached, provides a summary of remedial actions and the status of each. Remedial actions performed during this period include:

- **Remobilization Activities**
    - Perimeter Air Monitoring:
        - The perimeter air monitoring system was re-mobilized and began operating March 22, 2010. The system was operational during intrusive activities.
    - CWTP:
        - The CWTP was re-started the week of April 12, 2010 and was operated as needed.
- **Undeveloped Area Activities**
    - Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site:
        - Excavation of Soil:
            - Excavation was completed in the portions of Area I near Wolf Warehouse which were not previously excavated. This includes cells I-1A, I-1B, I-2B, I-3A, I-3B, I-8A, I-8B, I-13A, I-13B, and 1-23B as well as portions of I-2A, I-9 and I-23A.
            - Excavated soil was transported to the soil stockpile pad until the beginning of soil disposal activities described below in Section 2.3.
        - Backfilling
            - Backfilling of Area I was completed.
    - Excavation of the former drain line;
        - Sections of the former drain line as well as a manhole or chamber structure were encountered in Area I. Approximately six drain line segments as well as the structure were removed from Area I-13. These items were taken to the soil stockpile pad, pressure washed, crushed, and used as backfill in the undeveloped area.
- **Developed Area Activities**
    - Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site:
        - Sheet Piling:

        - Sheet piling began in Area D. Approximately 10 percent of sheet piling was complete by the end of this reporting period.
    - Excavation of Soil:
        - Excavation was completed in Area C.
    - Utility relocation activities were performed this period, including: termination of the gas main in Ethel Boulevard outside of the Area D excavation limits; termination of the sewer service outside of the Area D excavation limits; removal of electrical transformers and service from the east side of the Wolf Warehouse; and installation of a utility pole and other equipment as part of the pending Ethel Boulevard electric service relocation to both the Wolf and Reddy Raw warehouses.
- Improvements to the West Ditch:
    - Sheet piling began in the West Ditch as part of the tide gate installation.
    - A temporary by-pass pumping system was installed to remove water from between the US Life Warehouse and Wolf Warehouse during construction.

2.2 Deviations and Modifications

During this period, no deviations from or modifications to the Undeveloped Area RAW or Developed Area RAW occurred.

2.3 Remedial Actions to be Performed Next Period

The following remedial actions from the Developed Area RAW are scheduled to be performed during the next reporting period (May 1, 2010 through July 31, 2010):

- **Undeveloped Area Activities**
    - Excavation of the 55-foot buffer area:
        - Portions of the 55-foot buffer adjacent to the West Ditch will be excavated, backfilled, and restored.

- **Developed Area Activities**
    - Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site:
        - Utility Relocation:
            - Utility relocation in Area D will be completed.
        - Sheet Piling:
            - Sheet piling in Area D will be completed.
        - Excavation of Soil:
            - Excavation of Area D will begin.

        - Backfilling of Area D will begin in cells where excavation is completed.
    - Perimeter Air Monitoring:
        - Perimeter Air Monitoring will continue.
    - CWTP:
        - Operation of the CWTP will be ongoing as needed.
    - Soil Disposal:
        - Load out of excavated soils from Area D and Area I will begin.
- Improvements to the West Ditch;
    - Installation of the tide gate in the West Ditch will be completed.
    - Excavation and backfilling activities in the West Ditch will be performed.

- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse;
    - Installation of the vertical hydraulic barrier wall will begin.

2.4 Problems or Delays

The relocation of the electrical poles along Ethel Boulevard by PSEG was delayed several times. These poles are presently scheduled to be relocated the week of 5/10/2010. There were no other problems or delays during this reporting period.

2.5 Schedule of Remedial Activities

A schedule of construction activities is included in **Attachment 1**.

Section 3 – Permit Application Status

The following permits were submitted this period:

- Amended Land Use Regulation Program (LURP) Equivalency Permit and Mitigation Plan for Freshwater Permit No. 4 Equivalency, Coastal General Permit No. 15 Equivalency, Flood Hazard Area Individual Permit Equivalency, and Water Quality Certificate;
- Amendment to the New Jersey Meadowlands Commission Site Remediation Zoning Certificate;
- Updated Stormwater Pollution Prevention Plan (SWPPP).; and
- Electrical permit for work on Wolf Warehouse.

The permit application status for the project is presented in **Table 2.**

Section 4 – Sampling Results and Waste Generated

4.1 Sampling Results

This section summarizes sampling results obtained during the reporting period. Sampling was performed as part of the following programs:

- Construction Water Treatment Plant (CWTP) compliance testing; and
- Analytical testing and/or virgin source certifications for backfill materials.

Testing of treated water from the CWTP was performed in accordance with permit number SRP PI G000004547 dated February 9, 2009. This testing is required by the NJDEP on a weekly basis when the plant is discharging effluent. Additionally, testing is required before water can be discharged for the first time from a given excavation area. Testing results are included in **Attachment 2.**

Clean fill analysis and/or virgin source certifications for construction materials are attached for materials including:

- Separation Layer material for use in the soil cap in the undeveloped area;
- Dense Grade Aggregate (DGA);
- Drainage Stone (#57 stone);
- New Jersey Department of Transportation (NJDOT) I-4 Soil Aggregate;
- NJDOT I-3 Soil Aggregate; and
- Rip-rap (D50 = 15" and D50 = 6")

Virgin source certifications and the results of clean fill analysis are included in **Attachment 3.**

4.2 Waste Generated

This section discusses impacted media removed as part of the Undeveloped Area RAW and Developed Area RAW remedial actions at the Site. No waste was generated this period.

Section 5 – Cost Summary

This section presents a cost summary of the remedial action to date and provides a cost estimate of remaining work. To date approximately $23,218,000 has been spent performing remedial action activities related to the Developed and Undeveloped Area RAWs at the Site. It was estimated that approximately $14,904,700 would be required to complete this phase of the work as described in the ACO.

Tables

Table 1 - Remedial Actions between February 1, 2010 and April 30, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Remedial Action[1]	Description	Scheduled this Reporting Period?	Status	Comments
Removal of Soil with Mercury Concentration Greater than 620 mg/kg	Construction water treatment plant	Construction of the CWTP was completed previously. Operation of the CWTP is ongoing.		The CWTP was restarted the week of 4/12/2010 and will be operated as needed.
	Installation of perimeter air monitoring equipment	Construction of the perimeter air monitoring system was completed previously. Air monitoring is ongoing.		The perimeter air monitoring system was re-mobilized and began operating March 22, 2010. The system was operational during intrusive activities.
	Excavation in Area I	Yes	Completed	Excavation was completed in the portions of Area I near Wolf Warehouse which were not previously excavated. This includes cells I-1A, I-1B, I-2B, I-3A, I-3B, I-8A, I-8B, I-13A, I-13B, and 1-23B as well as portions of I-2A, I-9 and I-23A.
	Excavation of Area C	Yes	Completed	Excavation has been compeleted in Area C
	Backfilling in Area I	Yes	Completed	Backfilling of Area I was completed.
	Backfilling in Area C	Yes	Completed	Backfilling of Area C was completed
Excavation of Former Drain Line	Excavation of the former drainline area	Yes	Ongoing	Sections for the former drain line as well as a manhole were encountered in Area I. Approximately six drain line segments as well as the manhole were removed from Area I-13. These items were removed from the excavation, pressure washed on the soil stockpile pad, crushed, and used as backfill in completed portions of Area I.
Improvements to the West Ditch	Tide Gate Installation	Yes	Ongoing	Installation of sheet piling in the West Ditch began as part of the tide gate installation.

Notes:
1) A number of remedial actions completed during the Undeveloped Area RAW Construction have been removed from this table. Refer to Table 1 of Progress Report 5 for a summary of completed Undeveloped Area RAW Construction actions.

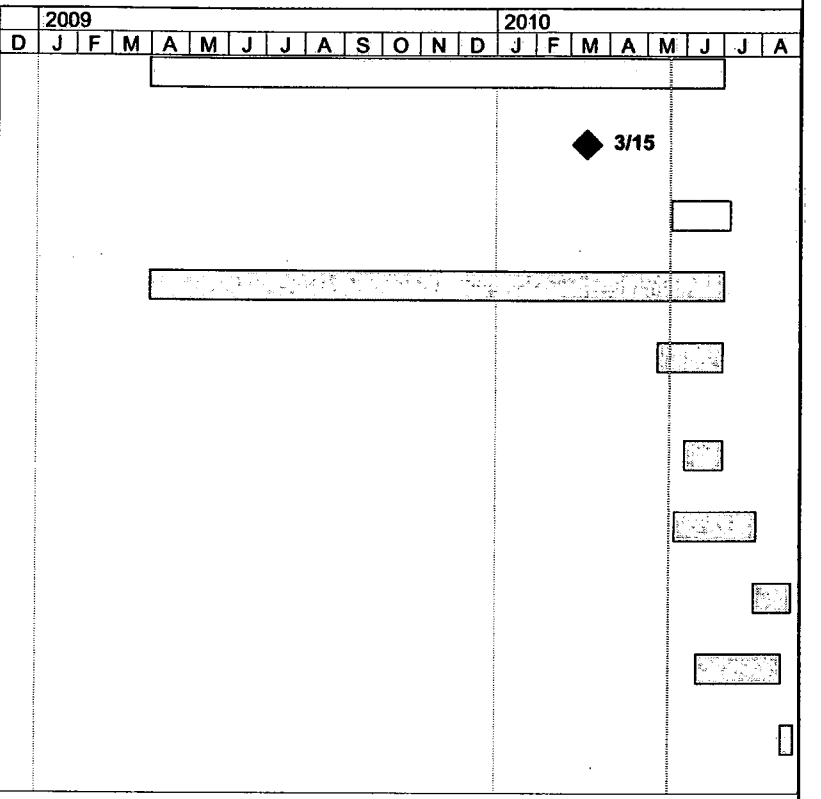
Table 2 - Permit Applications Status as of April 30, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Permit	Issuing Authority	Holder	Date Submitted	Status
Land Use Regulation Program (LURP) Coastal General Permit 15 Equivalency	NJDEP	Morton International	19-Dec-08	Comments were issued by the NJDEP and addressed by Parsons. Application was resubmitted on January 29, 2009 and is currently being reviewed by NJDEP. Permit equivalency was issued with conditions by the NJDEP on May 13, 2009.
Amended LURP Equivalency Permit and Mitigation Plan for Freshwater Permit No. 4 Equivalency, Coastal General Permit No. 15 Equivalency, Flood Hazard Area Individual Permit Equivalency, and Water Quality Certificate	NJDEP	Morton International	5-Mar-10	An ammended LURP submission, including a sitewide mitigation plan, was submitted March 5, 2010 and is currently being reviewed by the NJDEP.
Zoning Certificate Equivalency	NJMC	Morton International	19-Dec-08	Comments were issued by NJ Meadowlands Commission on March 11, 2009 and addressed by Parsons. Permit was approved by the NJMC on July 31, 2009.
Zoning Certificate Equivalency	NJMC	Morton International	5-Feb-10	An updated NJMC zoning certificate was submitted February 5, 2010. A conditional approval was granted by the NJMC dated March 25, 2010. A response to comments was sent to the NJMC on April 13, 2010.
Discharge to Groundwater Equivalency Permit	NJDEP	Morton International	19-Dec-08	Permit was granted by NJDEP on February 9, 2009.
Construction Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Building Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical permit (Wolf Warehouse)	Wood-Ridge	Parsons	15-Apr-10	Permit was granted by Wood-Ridge on April 15, 2010 to perform temporary electrical service relocation at the Wolf Warehouse.
Stormwater Pollution Prevention Plan	Bergen County	Parsons	6-Feb-09	Originally approved November 30, 2007. Revised permit submitted in January 2009 and approval received on February 26, 2009. Revisions to the 55-foot buffer decreasing the ammount of rip-rap were approved by Bergen County on October 5, 2009.
Stormwater Pollution Prevention Plan (SWPPP)	Bergen County	Parsons	20-Feb-10	Updated SWPPP drawings were submitted February 20, 2010. Drawings were resubmitted April 26, 2010 which were revised to include comments. Bergen County is currently reviewing the revised SWPPP submission.
Temporary Trailer Permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 11, 2007 and trailers are on site.
Electrical permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 13, 2007.
Notice of Proposed Construction of Alteration Form 7460-1	Federal Aviation Administration	Morton International	13-Jan-09	Determination permitting activity was issued by FAA on April 23, 2009.

Attachment 1 – Schedule of Remedial Construction Activities

Schedule of Remedial Construction Activities
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstardt, New Jersey

ID	Task Name	Duration	Start	Finish
1	Undeveloped Area Construction	327 days	Wed 4/1/09	Thu 7/1/10
2	Developed Area Mobilization	5 days	Mon 3/15/10	Fri 3/19/10
3	Area D Excavation	34 days	Fri 5/21/10	Wed 7/7/10
4	Soil Disposal and Stockpile Management	328 days	Wed 4/1/09	Fri 7/2/10
5	55-foot Buffer Excavation/Restoration (West Ditch)	39 days	Mon 5/10/10	Thu 7/1/10
6	West Ditch Excavation	23 days	Tue 6/1/10	Thu 7/1/10
7	Barrier Wall Installation	48 days	Mon 5/24/10	Wed 7/28/10
8	Developed Area Cap	22 days	Tue 7/27/10	Wed 8/25/10
9	Undeveloped Area Cap	48 days	Fri 6/11/10	Tue 8/17/10
10	Site Restoration/Demobilization	8 days	Wed 8/18/10	Fri 8/27/10



Task
Split
Progress
Milestone
Summary
Project Summary
External Tasks
External Milestone
Deadline

Updated: 5/19/2010

Attachment 2 – Construction Water Treatment Plant Sampling Results

Bigler Associates, Inc.

April 23, 2010

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street
4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Test Results from Testing of Water from Area I
Effluent Sample Collected on April 12, 2010

Dear Chris:

Attached please find the laboratory data from Test America for the Construction Water Treatment Plant (CWTP) effluent sample collected on April 12, 2010. The CWTP was operated treating approximately 68,817 gallons of water from Area I work and soil stockpile runoff during the week ending April 17, 2009.

Sample Collection and Data Summary

Effluent results are presented below and copies of the data sheets and chain of custody forms are attached. Test results confirm compliance with the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data

Parameter	4/12/10 Result, ug/l	Test America RL – ug/L	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	0.5	<2.5	3
Mercury	<0.20	0.20	<0.20	2
Thallium	<1.0	0.20	<1.0	2
Iron	313	0.10	313	1,000
Manganese	228	5.0	228	1,000
TSS	<5,000	5,000	<5,000	5,000
Benzene	<1.0	0.2	<1.0	1

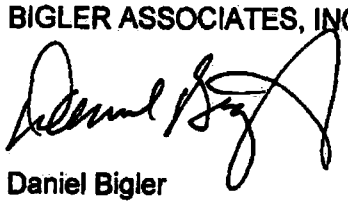
Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average value.
NS = not sampled.
All Testing performed by Test America

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.



Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS

TestAmerica Edison - 460-12151-1

Sample ID	PLANT EFFLUENT	
Lab Sample Number	460-12151-1	
Sampling Date	4/12/2010 1:45:00 PM	
Matrix	Water	
Dilution Factor	1	
Units	ug/L	
	Low	
GC/MS VOA - 624		
Benzene	1.0	U
	0	
Total Estimated Conc. (TICs)		

TestAmerica

SUMMARY OF ANALYTICAL RESULTS
TestAmerica Edison - 460-12151-1

Sample ID	PLANT EFFLUENT	
Lab Sample Number	460-12151-1	
Sampling Date	4/12/2010 1:45:00 PM	
Matrix	Water	
Dilution Factor	1	
Units		
	Low	
General Chemistry		
Total Suspended Solids - mg/L	5.0	U

TestAmerica

SUMMARY OF ANALYTICAL RESULTS
TestAmerica Edison - 460-12151-1

Sample ID	PLANT EFFLUENT	
Lab Sample Number	460-12151-1	
Sampling Date	4/12/2010 1:45:00 PM	
Matrix	Water	
Dilution Factor	5	
Units	ug/L	
	Total Recoverable Low	
Metals		
Arsenic	2.5	U
Manganese	228	
Thallium	1.0	U
Iron	313	
Mercury	NR	

TestAmerica

SUMMARY OF ANALYTICAL RESULTS
TestAmerica Edison - 460-12151-1

QUALIFIERS

GC/MS VOA

U: Indicates the analyte was analyzed for but not detected.

General Chemistry

U: Indicates the analyte was analyzed for but not detected.

Metals

U: Indicates the analyte was analyzed for but not detected.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS

TestAmerica Edison - 460-12151-1

Sample ID
Lab Sample Number
Sampling Date
Matrix
Dilution Factor
Units
GC/MS VOA - 624
Benzene
Total Estimated Conc. (TICs)

TestAmerica

SUMMARY OF ANALYTICAL RESULTS
TestAmerica Edison - 460-12151-1

Sample ID
Lab Sample Number
Sampling Date
Matrix
Dilution Factor
Units
General Chemistry
Total Suspended Solids - mg/L

TestAmerica

SUMMARY OF ANALYTICAL RESULTS

TestAmerica Edison - 460-12151-1

Sample ID	PLANT EFFLUENT	
Lab Sample Number	460-12151-1	
Sampling Date	4/12/2010 1:45:00 PM	
Matrix	Water	
Dilution Factor	1	
Units	ug/L	
	Low	
Metals		
Arsenic	NR	
Manganese	NR	
Thallium	NR	
Iron	NR	
Mercury	0.20	U

TestAmerica

SUMMARY OF ANALYTICAL RESULTS
TestAmerica Edison - 460-12151-1

QUALIFIERS

GC/MS VOA

U: Indicates the analyte was analyzed for but not d

General Chemistry

U: Indicates the analyte was analyzed for but not d

Metals

U: Indicates the analyte was analyzed for but not d

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Page ___ of ___

Name	DAN ALESSANDRO
Company	BIGLER ASSOC INC
Address	2 NASH ST
City	RIDGEFIELD NJ
Phone	201-296-07[illegible]
Sample Identification	PLANT [illegible]

NJ [ ] NY [ ] Other:

LAB USE ONLY
Project No:
Job No:
Sample Numbers

Preservation Used: 1 = ICE, 2 = HCl, 3 = H2SO4, 4 = HNO3, [illegible]
6 = Other

Special Instructions [illegible]

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Received by	Company
1) [signature]	BA	[illegible] Smith	Test America
2)			
3)			
4)			

Laboratory Certifications: New Jersey (12028), New York [illegible], Pennsylvania (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

Attachment 3 – Analytical Testing and Virgin Source Certifications for Backfill Materials

Separation Layer material for use in the soil cap in the Undeveloped Area

WASTE STREAM TECHNOLOGY, INC.
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 04/20/10
Work Order Number: 0D12004

Prepared For
Rick Elia Jr.
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14302
Fax: (716) 285-4201

Site: Ventron-Velsicol 1027

Enclosed are the results of analyses for samples received by the laboratory on 04/12/10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068 FLDOH #E87662

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Maddox Clay	0D12004-01	Soil	04/09/10 14:30	04/12/10 09:45

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Metals by EPA 6000/7000 Series Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil Sampled: 04/09/10 14:30 Received: 04/12/10 09:45									
Silver	ND	0.50	mg/kg dry	1	AD01315	04/13/10	04/13/10	EPA 6010B	
Aluminum	**4720**	2.50	"	"	"	"	"	"	
Arsenic	**15.0**	1.70	"	"	"	"	"	"	
Barium	**31.1**	1.00	"	"	"	"	"	"	
Beryllium	**0.64**	0.50	"	"	"	"	"	"	
Cadmium	ND	1.00	"	"	"	"	"	"	
Cobalt	**4.64**	1.00	"	"	"	"	"	"	
Chromium	**17.2**	1.00	"	"	"	"	"	"	
Copper	**14.7**	1.00	"	"	"	"	"	"	
Mercury	**0.024**	0.012	"	"	AD01608	04/16/10	04/16/10	EPA 7471A	
Manganese	**82.0**	1.00	"	"	AD01315	04/13/10	04/13/10	EPA 6010B	
Nickel	**7.94**	1.00	"	"	"	"	"	"	
Lead	**15.5**	4.10	"	"	"	"	"	"	
Antimony	ND	1.40	"	"	"	"	"	"	
Selenium	ND	1.40	"	"	"	"	"	"	
Thallium	ND	1.00	"	"	"	"	"	"	
Vanadium	**31.0**	1.00	"	"	"	"	"	"	
Zinc	**36.2**	4.00	"	"	"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil Sampled: 04/09/10 14:30 Received: 04/12/10 09:45									
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/15/10	8081A/8082	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Methoxychlor	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
Endrin Ketone	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Aroclor 1262	ND	3.30	"	"	"	"	"	"	U
Aroclor 1268	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*96.4 %*	*82-123*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*91.9 %*	*56-132*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil Sampled: 04/09/10 14:30 Received: 04/12/10 09:45									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AD01514	04/15/10	04/15/10	8260B	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	10	"	"	"	"	"	"	U
carbon disulfide	**9**	2	"	"	"	"	"	"	
methylene chloride	**13**	2	"	"	"	"	"	"	B
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**7**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	**8**	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
Acrolein	ND	10	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Methyl Acetate	ND	10	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil Sampled: 04/09/10 14:30 Received: 04/12/10 09:45									
Tert-butyl alcohol	ND	100	ug/kg dry	1	AD01514	04/15/10	04/15/10	8260B	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*115 %*	*78-115*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*79-118*		"	"	"	"	
Surrogate: Toluene-d8		*124 %*	*84-110*		"	"	"	"	*S-04*
Surrogate: Bromofluorobenzene		*141 %*	*81-118*		"	"	"	"	*S-04*

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil Sampled: 04/09/10 14:30 Received: 04/12/10 09:45									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01502	04/15/10	04/16/10	8270C	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil Sampled: 04/09/10 14:30 Received: 04/12/10 09:45									
Diethyl phthalate	ND	67	ug/kg dry	1	AD01502	04/15/10	04/16/10	8270C	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Acetophenone	ND	67	"	"	"	"	"	"	U
Caprolactam	ND	67	"	"	"	"	"	"	U
1,1'-Biphenyl	ND	67	"	"	"	"	"	"	U
Atrazine	ND	67	"	"	"	"	"	"	U
Benzaldehyde	ND	67	"	"	"	"	"	"	U
1,2-Diphenylhydrazine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*79.0 %*	*59-101*	"	"	"	"		
Surrogate: Phenol-d6		*84.7 %*	*64-105*	"	"	"	"		
Surrogate: Nitrobenzene-d5		*86.2 %*	*58-105*	"	"	"	"		
Surrogate: 2-Fluorobiphenyl		*87.4 %*	*67-101*	"	"	"	"		
Surrogate: 2,4,6-Tribromophenol		*99.2 %*	*63-108*	"	"	"	"		
Surrogate: Terphenyl-d14		*92.3 %*	*38-133*	"	"	"	"		

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil Sampled: 04/09/10 14:30 Received: 04/12/10 09:45									
Cyanide (total)	ND	0.50	mg/kg dry	1	AD02021	04/20/10	04/20/10	EPA 9014	
pH	**3.49**	0.10	pH Units	"	AD01619	04/16/10	04/16/10	EPA 9045C	
% Solids	**77.1**	0.1	%	"	AD01410	04/13/10	04/14/10	% calculation	

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY
GROUP # OD12004
DUE DATE

PAGE 1 OF 1

REPORT TO: SEVERSON
5 PARK PLACE E
WOOD-RIDGE, NJ
07075
CONTACT: JAYSON STARK
PH.# (201) 933-0019
FAX # (201) 933-1996
BILL TO: SEVERSON
VENTRON JOB 1027
PO # 1027
PROJECT DESCRIPTION: VENTRON DEVELOPED
SAMPLER SIGNATURE

DW DRINKING WATER · GW GROUND WATER · SW SURFACE WATER · WW WASTE WATER · O OIL
SL SLUDGE · SO SOIL · S SOLID · W WIPE · OTHER

TURN AROUND TIME: 5 DAY
QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS REQUIRED: YES NO
If yes please attach requirements

Is a QC Package required: YES NO
If yes please attach requirements.

ANALYSES TO BE PERFORMED

	SAMPLE I.D.	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	NJ Residential Cleanup	pH									TYPE OF CONTAINER/ COMMENTS:	OFFICE USE ONLY WST I.D
1	MADDOX CLAY	4/9/10	14:30	SO	4	✓	✓									2 Large 2 Small	01
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

REMARKS:

RELINQUISHED BY:	DATE: 4/9/10	TIME: 14:45	RECEIVED BY	DATE: 4/12/10	TIME: 09:45
RELINQUISHED BY:	DATE: / /	TIME:	RECEIVED BY:	DATE: / /	TIME:

Dense Grade Aggregate (DGA), Drainage Stone (#57 stone), NJDOT I-4 Soil Aggregate

TILCON-NY **Mt. Hope Quarry** Fax 973-659-3978

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

I-4 (2.01 G)

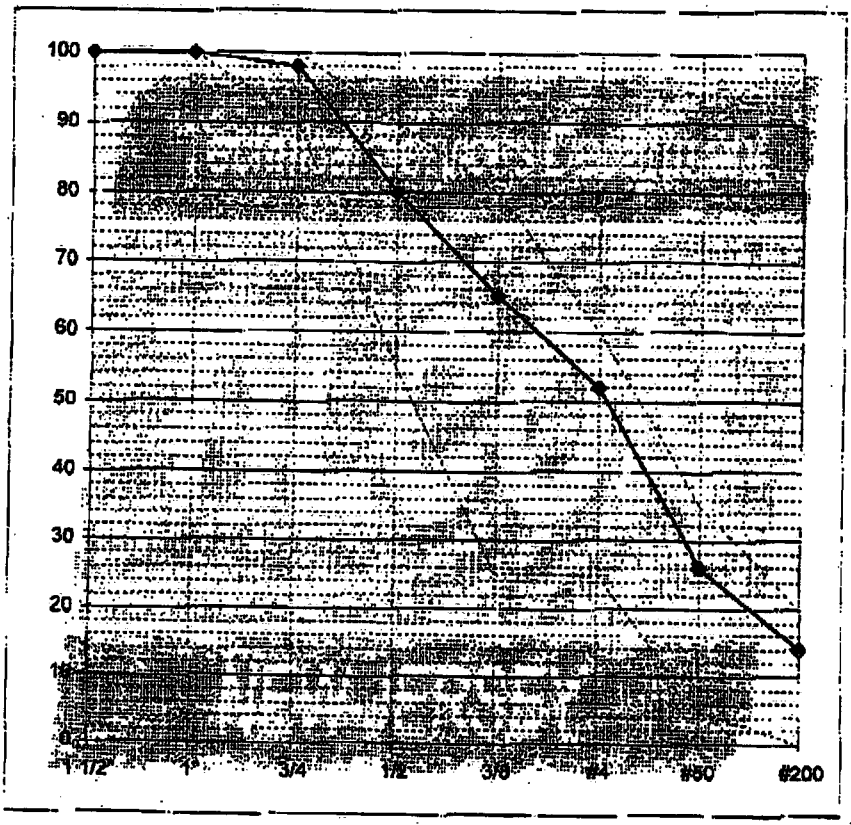
Typical Gradation,I-4 Soil Aggregate

Project

Contractor
Sevenson Environmental

Sp. Gr	2.82
Loose	104
Rodded	123

	Typical	Prod. Target	
	% Pass	Low	High
1 1/2"	100	100	100
1"	100	100	100
3/4	98	90	100
1/2	80	55	90
3/8	65	25	80
#4	52	25	60
#50	26	5	35
#200	14		20



Tilcon Inc confirms that I-4 Soil Aggregate available at Mt. Hope Quarry conforms to section 901 of the ***New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction.*** The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

TILCON-NY Mt. Hope Quarry Fax 973-659-3978

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

DRAINAGE STONE (2.01 H)

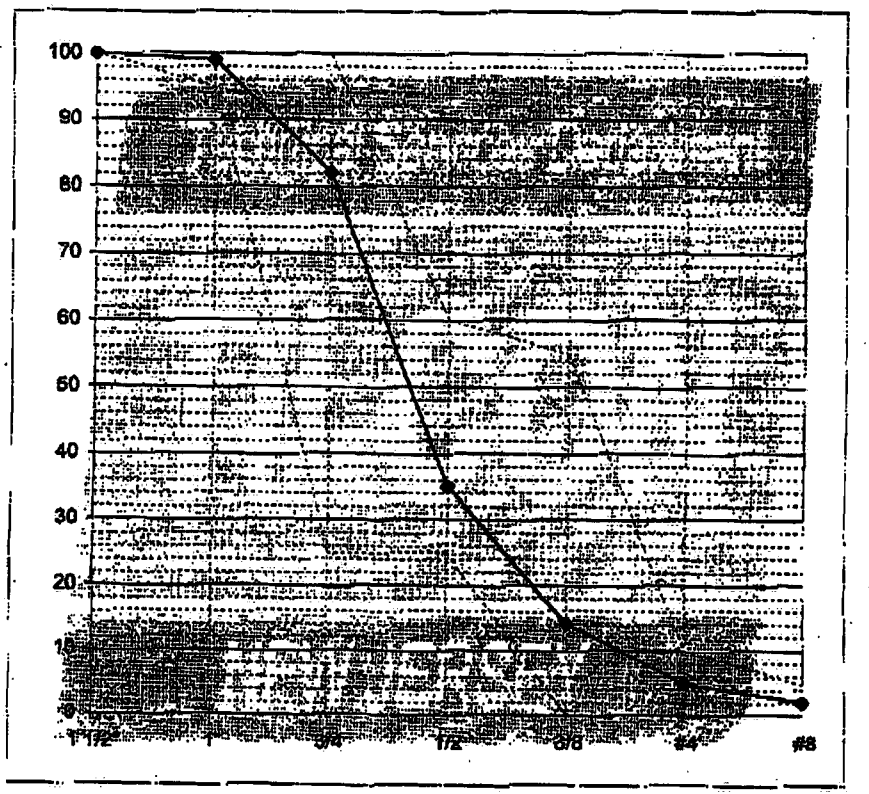
Typical Gradation,#57 (3/4" Clean)

Project

Contractor
Severson Environmental

Sp. Gr	2.68
Loose	93.3
Rodded	103.3

	Typical	Prod. Target	
	% Pass	Low	High
1 1/2"	100	100	100
1"	99	95	100
3/4	82	25	100
1/2	35	25	60
3/8	14		55
#4	5		10
#8	2		5



Tilcon Inc confirms that #57 (3/4" Clean) available at Mt. Hope Quarry conforms to section 901 of the ***New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction.*** The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

TILCON-NY Pompton Lakes Quarry Fax 973-659-3978

BROAD STREET • POMPTON LAKES, N.J. • 973-366-7741

DGA (2.01 J)

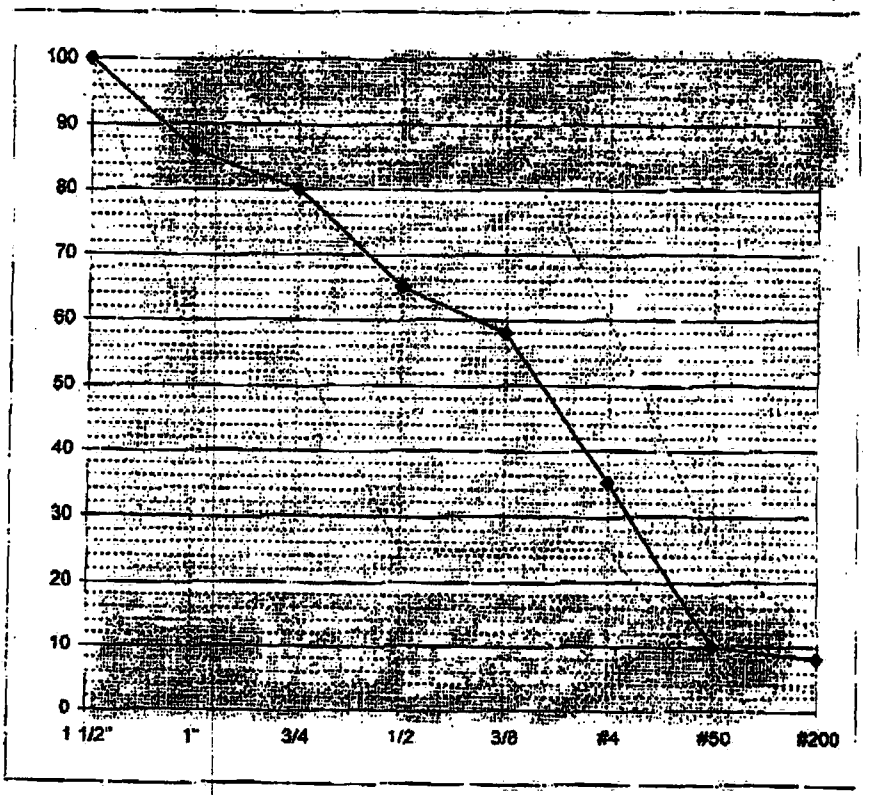
Typical Gradation DGA/I3 (Granite)

Project

Contractor
Sevenson Environmental

Sp. Gr	2.84
Loose	101
Rodded	120

	Typical	Prod. Target	
	% Pass	Low	High
1 1/2"	100	100	100
1"	86	55	100
3/4	80	55	90
1/2	66	25	90
3/8	58	25	90
#4	35	25	60
#50	10	5	25
#200	8	3	12



Tilcon-NJ confirms that the DGA/I3 (Granite) available at Pompton Lakes Quarry conforms to the quality requirements of section 901 of ***The New Jersey Department of*** **Transportation** ***Standard Specifications for Road and Bridge Construction.*** It is defined as virgin Gneiss mined at Pompton Lakes Quarry, Broad Street, Blk 60-Lots 60.01-60.02 Borough of Pompton Lakes, Morris County.The material is identified on the job with Tilcon NJ delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

WASTE STREAM TECHNOLOGY, INC.
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 04/14/10
Work Order Number: 0D07011

Prepared For
Rick Elia Jr.
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14302
Fax: (716) 285-4201

Site: Ventron-Velsicol 1027

Enclosed are the results of analyses for samples received by the laboratory on 04/07/10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068 FLDOH #E87662

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tilcon I-4	0D07011-01	Soil	04/05/10 13:30	04/07/10 11:00
Tilcon #57	0D07011-02	Soil	04/05/10 13:30	04/07/10 11:00
Tilcon Biotic Barrier	0D07011-03	Soil	04/05/10 13:30	04/07/10 11:00
Tilcon DGA	0D07011-04	Soil	04/06/10 13:35	04/07/10 11:00

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Metals by EPA 6000/7000 Series Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Silver	ND	0.50	mg/kg dry	1	AD00804	04/08/10	04/12/10	EPA 6010B	
Aluminum	**1870**	12.5	"	5	"	"	04/12/10	"	
Arsenic	ND	1.70	"	1	"	"	04/12/10	"	U
Barium	**10.1**	1.00	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	1.00	"	"	"	"	"	"	
Cobalt	**1.67**	1.00	"	"	"	"	"	"	
Chromium	**1.60**	1.00	"	"	"	"	"	"	
Copper	**3.24**	1.00	"	"	"	"	"	"	
Mercury	ND	0.012	"	"	AD00904	04/09/10	04/09/10	EPA 7471A	
Manganese	**78.0**	1.00	"	"	AD00804	04/08/10	04/12/10	EPA 6010B	
Nickel	ND	1.00	"	"	"	"	"	"	
Lead	ND	4.10	"	"	"	"	"	"	
Antimony	ND	1.40	"	"	"	"	"	"	
Selenium	ND	1.40	"	"	"	"	"	"	
Thallium	ND	1.00	"	"	"	"	"	"	
Vanadium	**2.39**	1.00	"	"	"	"	"	"	
Zinc	**10.2**	4.00	"	"	"	"	"	"	
Tilcon #57 (0D07011-02) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Silver	ND	0.50	mg/kg dry	1	AD00804	04/08/10	04/12/10	EPA 6010B	
Aluminum	**5660**	25.0	"	10	"	"	04/12/10	"	
Arsenic	**2.02**	1.70	"	1	"	"	04/12/10	"	
Barium	**12.0**	1.00	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	1.00	"	"	"	"	"	"	
Cobalt	**3.11**	1.00	"	"	"	"	"	"	
Chromium	**4.09**	1.00	"	"	"	"	"	"	
Copper	**5.33**	1.00	"	"	"	"	"	"	
Mercury	ND	0.014	"	"	AD00904	04/09/10	04/09/10	EPA 7471A	
Manganese	**117**	1.00	"	"	AD00804	04/08/10	04/12/10	EPA 6010B	
Nickel	**3.63**	1.00	"	"	"	"	"	"	
Lead	ND	4.10	"	"	"	"	"	"	
Antimony	ND	1.40	"	"	"	"	"	"	
Selenium	ND	1.40	"	"	"	"	"	"	
Thallium	ND	1.00	"	"	"	"	"	"	
Vanadium	**5.91**	1.00	"	"	"	"	"	"	
Zinc	**18.6**	4.00	"	"	"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Metals by EPA 6000/7000 Series Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Silver	**1.91**	0.50	mg/kg dry	1	AD00804	04/08/10	04/12/10	EPA 6010B	
Aluminum	**6920**	25.0	"	10	"	"	04/12/10	"	
Arsenic	**4.46**	1.70	"	1	"	"	04/12/10	"	
Barium	**65.7**	1.00	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	1.00	"	"	"	"	"	"	
Cobalt	**8.17**	1.00	"	"	"	"	"	"	
Chromium	**24.2**	1.00	"	"	"	"	"	"	
Copper	**26.8**	1.00	"	"	"	"	"	"	
Mercury	ND	0.012	"	"	AD00904	04/09/10	04/09/10	EPA 7471A	
Manganese	**162**	1.00	"	"	AD00804	04/08/10	04/12/10	EPA 6010B	
Nickel	**15.3**	1.00	"	"	"	"	"	"	
Lead	ND	4.10	"	"	"	"	"	"	
Antimony	ND	1.40	"	"	"	"	"	"	
Selenium	ND	1.40	"	"	"	"	"	"	
Thallium	**1.47**	1.00	"	"	"	"	"	"	
Vanadium	**15.9**	1.00	"	"	"	"	"	"	
Zinc	**21.4**	4.00	"	"	"	"	"	"	
Tilcon DGA (0D07011-04) Soil Sampled: 04/06/10 13:35 Received: 04/07/10 11:00									
Silver	**1.18**	0.50	mg/kg dry	1	AD00804	04/08/10	04/12/10	EPA 6010B	
Aluminum	**3810**	12.5	"	5	"	"	04/12/10	"	
Arsenic	ND	1.70	"	1	"	"	04/12/10	"	U
Barium	**16.5**	1.00	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	1.00	"	"	"	"	"	"	
Cobalt	**10.6**	1.00	"	"	"	"	"	"	
Chromium	**12.8**	1.00	"	"	"	"	"	"	
Copper	**39.8**	1.00	"	"	"	"	"	"	
Mercury	ND	0.012	"	"	AD00904	04/09/10	04/09/10	EPA 7471A	
Manganese	**101**	1.00	"	"	AD00804	04/08/10	04/12/10	EPA 6010B	
Nickel	**13.7**	1.00	"	"	"	"	"	"	
Lead	ND	4.10	"	"	"	"	"	"	
Antimony	ND	1.40	"	"	"	"	"	"	
Selenium	ND	1.40	"	"	"	"	"	"	
Thallium	ND	1.00	"	"	"	"	"	"	
Vanadium	**13.6**	1.00	"	"	"	"	"	"	
Zinc	**10.1**	4.00	"	"	"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Methoxychlor	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
Endrin Ketone	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Aroclor 1262	ND	3.30	"	"	"	"	"	"	U
Aroclor 1268	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*113 %*	*82-123*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*88.4 %*	*56-132*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon #57 (0D07011-02) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Methoxychlor	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
Endrin Ketone	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Aroclor 1262	ND	3.30	"	"	"	"	"	"	U
Aroclor 1268	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*115 %*		*82-123*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*89.7 %*		*56-132*	"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Methoxychlor	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
Endrin Ketone	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Aroclor 1262	ND	3.30	"	"	"	"	"	"	U
Aroclor 1268	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*96.9 %*		*82-123*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*84.5 %*		*56-132*	"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil Sampled: 04/06/10 13:35 Received: 04/07/10 11:00									
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Methoxychlor	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
Endrin Ketone	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Aroclor 1262	ND	3.30	"	"	"	"	"	"	U
Aroclor 1268	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*94.0 %*		*82-123*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*81.9 %*		*56-132*	"	"	"	"	

Severson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
dichlorodifluoromethane	ND	9	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
chloromethane	ND	9	"	"	"	"	"	"	U
vinyl chloride	ND	9	"	"	"	"	"	"	U
bromomethane	ND	9	"	"	"	"	"	"	U
chloroethane	ND	9	"	"	"	"	"	"	U
trichlorofluoromethane	ND	9	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	9	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	6	2	"	"	"	"	"	"	B
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	9	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
2-butanone	ND	9	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	9	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
Acrolein	ND	9	"	"	"	"	"	"	U
Methyl Acetate	ND	9	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Tert-butyl alcohol	ND	89	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
1,2-dibromo-3-chloropropane	ND	9	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*104 %*	*78-115*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*79-118*		"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*	*84-110*		"	"	"	"	
Surrogate: Bromofluorobenzene		*97.0 %*	*81-118*		"	"	"	"	
Tilcon #57 (0D07011-02) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
dichlorodifluoromethane	ND	9	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
chloromethane	ND	9	"	"	"	"	"	"	U
vinyl chloride	ND	9	"	"	"	"	"	"	U
bromomethane	ND	9	"	"	"	"	"	"	U
chloroethane	ND	9	"	"	"	"	"	"	U
trichlorofluoromethane	ND	9	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	9	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	7	2	"	"	"	"	"	"	B
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	9	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
2-butanone	ND	9	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	9	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon #57 (0D07011-02) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
ethylbenzene	ND	2	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
Acrolein	ND	9	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Methyl Acetate	ND	9	"	"	"	"	"	"	U
Tert-butyl alcohol	ND	88	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	9	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*105 %*		*78-115*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*79-118*	"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*84-110*	"	"	"	"	
Surrogate: Bromofluorobenzene		*97.4 %*		*81-118*	"	"	"	"	
Tilcon Biotic Barrier (0D07011-03) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	10	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**4**	2	"	"	"	"	"	"	**B**
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U

Severson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
toluene	ND	2	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
Acrolein	ND	10	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Methyl Acetate	ND	10	"	"	"	"	"	"	U
Tert-butyl alcohol	ND	100	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
Surrogate: Dibromofluoramethane		*104 %*	*78-115*	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*79-118*	"	"	"	"	"	
Surrogate: Toluene-d8		*97.2 %*	*84-110*	"	"	"	"	"	
Surrogate: Bromofluorobenzene		*97.3 %*	*81-118*	"	"	"	"	"	
Tilcon DGA (0D07011-04) Soil Sampled: 04/06/10 13:35 Received: 04/07/10 11:00									
dichlorodifluoromethane	ND	8	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
chloromethane	ND	8	"	"	"	"	"	"	U
vinyl chloride	ND	8	"	"	"	"	"	"	U
bromomethane	ND	8	"	"	"	"	"	"	U
chloroethane	ND	8	"	"	"	"	"	"	U
trichlorofluoromethane	ND	8	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	8	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	5	2	"	"	"	"	"	"	B
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	8	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
2-butanone	ND	8	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil Sampled: 04/06/10 13:35 Received: 04/07/10 11:00									
carbon tetrachloride	ND	2	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	8	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
Acrolein	ND	8	"	"	"	"	"	"	U
Methyl Acetate	ND	8	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Tert-butyl alcohol	ND	83	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	8	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*106 %*	*78-115*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*79-118*		"	"	"	"	
Surrogate: Toluene-d8		*93.9 %*	*84-110*		"	"	"	"	
Surrogate: Bromofluorobenzene		*96.0 %*	*81-118*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon 1-4 (0D07011-01) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Diethyl phthalate	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Acetophenone	ND	67	"	"	"	"	"	"	U
Caprolactam	ND	67	"	"	"	"	"	"	U
1,1'-Biphenyl	ND	67	"	"	"	"	"	"	U
Atrazine	ND	67	"	"	"	"	"	"	U
Benzaldehyde	ND	67	"	"	"	"	"	"	U
1,2-Diphenylhydrazine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*81.6 %*	*59-101*		"	"	"	"	
Surrogate: Phenol-d6		*86.2 %*	*64-105*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*84.5 %*	*58-105*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*83.7 %*	*67-101*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*87.7 %*	*63-108*		"	"	"	"	
Surrogate: Terphenyl-d14		*131 %*	*38-133*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon #57 (0D07011-02) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon #57 (0D07011-02) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Diethyl phthalate	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Acetophenone	ND	67	"	"	"	"	"	"	U
Caprolactam	ND	67	"	"	"	"	"	"	U
1,1'-Biphenyl	ND	67	"	"	"	"	"	"	U
Atrazine	ND	67	"	"	"	"	"	"	U
Benzaldehyde	ND	67	"	"	"	"	"	"	U
1,2-Diphenylhydrazine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*72.8 %*	*59-101*		"	"	"	"	
Surrogate: Phenol-d6		*77.3 %*	*64-105*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*76.6 %*	*58-105*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*76.2 %*	*67-101*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*78.8 %*	*63-108*		"	"	"	"	
Surrogate: Terphenyl-d14		*76.8 %*	*38-133*		"	"	"	"	

Severson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Diethyl phthalate	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Acetophenone	ND	67	"	"	"	"	"	"	U
Caprolactam	ND	67	"	"	"	"	"	"	U
1,1'-Biphenyl	ND	67	"	"	"	"	"	"	U
Atrazine	ND	67	"	"	"	"	"	"	U
Benzaldehyde	ND	67	"	"	"	"	"	"	U
1,2-Diphenylhydrazine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*71.8 %*	*59-101*		"	"	"	"	
Surrogate: Phenol-d6		*76.4 %*	*64-105*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*76.2 %*	*58-105*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*75.3 %*	*67-101*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*80.2 %*	*63-108*		"	"	"	"	
Surrogate: Terphenyl-d14		*77.9 %*	*38-133*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil Sampled: 04/06/10 13:35 Received: 04/07/10 11:00									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil Sampled: 04/06/10 13:35 Received: 04/07/10 11:00									
Diethyl phthalate	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Acetophenone	ND	67	"	"	"	"	"	"	U
Caprolactam	ND	67	"	"	"	"	"	"	U
1,1'-Biphenyl	ND	67	"	"	"	"	"	"	U
Atrazine	ND	67	"	"	"	"	"	"	U
Benzaldehyde	ND	67	"	"	"	"	"	"	U
1,2-Diphenylhydrazine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*69.1 %*	*59-101*		"	"	"	"	
Surrogate: Phenol-d6		*72.9 %*	*64-105*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*71.6 %*	*58-105*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*73.1 %*	*67-101*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*82.1 %*	*63-108*		"	"	"	"	
Surrogate: Terphenyl-d14		*77.8 %*	*38-133*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/14/10 15:12

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Cyanide (total)	ND	0.50	mg/kg dry	1	AD01413	04/13/10	04/14/10	EPA 9014	
pH	**8.59**	0.10	pH Units	"	AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	**98.1**	0.1	%	"	AD00905	04/08/10	04/09/10	% calculation	
Tilcon #57 (0D07011-02) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Cyanide (total)	ND	0.50	mg/kg dry	1	AD01413	04/13/10	04/14/10	EPA 9014	
pH	**8.68**	0.10	pH Units	"	AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	**99.8**	0.1	%	"	AD00905	04/08/10	04/09/10	% calculation	
Tilcon Biotic Barrier (0D07011-03) Soil Sampled: 04/05/10 13:30 Received: 04/07/10 11:00									
Cyanide (total)	ND	0.50	mg/kg dry	1	AD01413	04/13/10	04/14/10	EPA 9014	
pH	**9.02**	0.10	pH Units	"	AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	**99.7**	0.1	%	"	AD00905	04/08/10	04/09/10	% calculation	
Tilcon DGA (0D07011-04) Soil Sampled: 04/06/10 13:35 Received: 04/07/10 11:00									
Cyanide (total)	ND	0.50	mg/kg dry	1	AD01413	04/13/10	04/14/10	EPA 9014	
pH	**8.63**	0.10	pH Units	"	AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	**96.6**	0.1	%	"	AD00905	04/08/10	04/09/10	% calculation	

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 - FAX (716) 876-2412

OFFICE USE ONLY
GROUP # 0D0701
DUE DATE

PAGE 1 OF 1

REPORT TO:
SEVENSON
JOB 1027
WOOD-RIDGE, NJ
CONTACT JAYSON STARK
PH. # (201) 933-0019
FAX # (201) 932-1996
BILL TO:
SEVENSON
PO # 1027
PROJECT DESCRIPTION
VENTRON DEVELOPED AREA
SAMPLER SIGNATURE

DW DRINKING WATER
GW GROUND WATER
SW SURFACE WATER
WW WASTE WATER
O OIL
SL SLUDGE
SO SOIL
S SOLID
W WIPE
OTHER

TURN AROUND TIME: 5 DAY
QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS REQUIRED: YES NO
If yes please attach requirements

Is a QC Package required: YES NO
If yes please attach requirements.

	SAMPLE I.D.	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	NJDEP RESIDENTIAL CLEAN	pH	TYPE OF CONTAINER/ COMMENTS:	OFFICE USE ONLY WST. I.D.
1	TILCON I-4	4/6/10	1:30PM	SO	4	✓	✓	2 SMALL, 2 LARGE	01
2	TILCON #57	4/6/10	1:20PM	SO	4	✓	✓	" "	02
3	TILCON BIOTIC BARRIER	4/6/10	1:20PM	SO	4	✓	✓	" "	03
4	TILCON DGA	4/6/10	1:35PM	SO	4	✓	✓	" "	04
5									
6									
7									
8									
9									
10									

ANALYSES TO BE PERFORMED

REMARKS:

NEW JERSEY RESIDENTIAL CLEAN SOIL

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
	4/6/10	15:30		4/7/10	11:00
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
	/ /			/ /	

NJDOT I-3 Soil Aggregate

TILCON-NY Mt. Hope Quarry Fax 973-659-3978

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

I-3 (2.01 A)

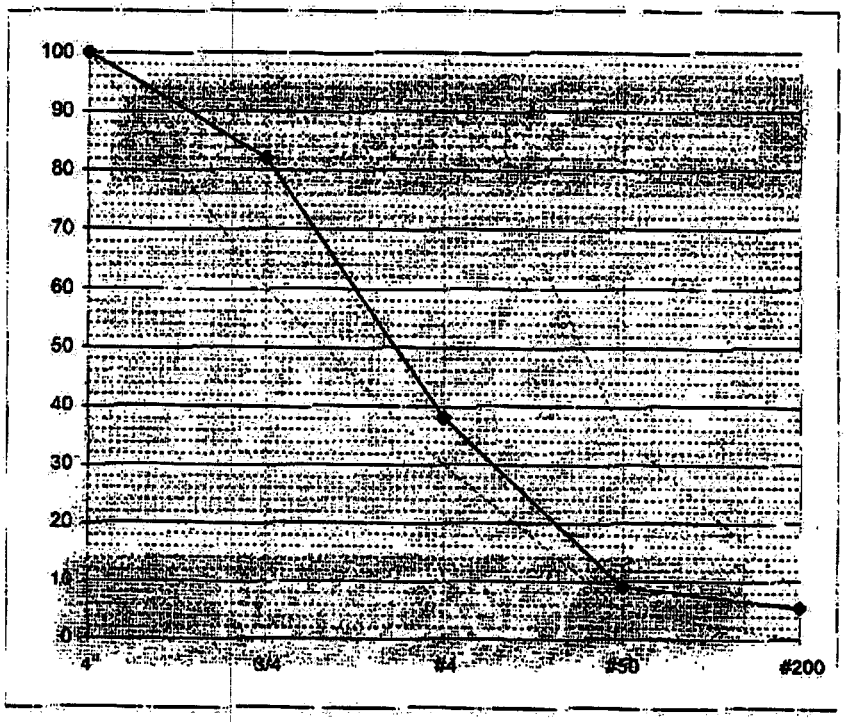
Typical Gradation,Soils Agg (I-3)

Project

Contractor
Sevenson Environmental

Sp. Gr	2.82
Loose	105
Rodded	120

	Typical	Prod. Target	
	% Pass	Low	High
4"	100	100	100
3/4	82	60	100
#4	38	30	100
#50	9	5	35
#200	5.5		8



Tilcon Inc confirms that Soils Agg (I-3) available at Mt. Hope Quarry conforms to section 901 of the ***New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction.*** The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

WASTE STREAM TECHNOLOGY, INC.
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 03/26/10
Work Order Number: 0C23005

Prepared For
Rick Elia Jr.
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14302
Fax: (716) 285-4201

Site: Ventron-Velsicol 1008

Enclosed are the results of analyses for samples received by the laboratory on 03/23/10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068 FLDOH #E87662

Severson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	03/26/10 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tilcon I-3 Fill	0C23005-01	Soil	03/19/10 12:00	03/23/10 10:15

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Ventron-Velsicol Project Number: Ventron-Velsicol 1008 Project Manager: Rick Elia Jr.	**Reported:** 03/26/10 16:02

Metals by EPA 6000/7000 Series Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil	**Sampled: 03/19/10 12:00**	**Received: 03/23/10 10:15**							
Silver	ND	0.50	mg/kg dry	1	AC02323	03/23/10	03/23/10	EPA 6010B	
Aluminum	**1520**	2.50	"	"	"	"	"	"	
Arsenic	ND	1.70	"	"	"	"	"	"	U
Barium	**10.6**	1.00	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	1.00	"	"	"	"	"	"	
Cobalt	**1.83**	1.00	"	"	"	"	"	"	
Chromium	**3.89**	1.00	"	"	"	"	"	"	
Copper	**4.80**	1.00	"	"	"	"	"	"	
Mercury	ND	0.012	"	"	AC02602	03/26/10	03/26/10	EPA 7471A	
Manganese	**81.5**	1.00	"	"	AC02323	03/23/10	03/23/10	EPA 6010B	
Nickel	**1.31**	1.00	"	"	"	"	"	"	
Lead	ND	4.10	"	"	"	"	"	"	
Antimony	ND	1.40	"	"	"	"	"	"	
Selenium	ND	1.40	"	"	"	"	"	"	
Thallium	ND	1.00	"	"	"	"	"	"	
Vanadium	**2.68**	1.00	"	"	"	"	"	"	
Zinc	**10.4**	4.00	"	"	"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	03/26/10 16:02

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil Sampled: 03/19/10 12:00 Received: 03/23/10 10:15									
alpha-BHC	ND	0.400	ug/kg dry	1	AC02511	03/25/10	03/25/10	8081A/8082	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Methoxychlor	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
Endrin Ketone	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Aroclor 1262	ND	3.30	"	"	"	"	"	"	U
Aroclor 1268	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*120 %*	*82-123*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*93.1 %*	*56-132*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	03/26/10 16:02

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil Sampled: 03/19/10 12:00 Received: 03/23/10 10:15									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AC02501	03/25/10	03/25/10	8260B	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	10	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**6**	2	"	"	"	"	"	"	**B**
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
Acrolein	ND	10	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Methyl Acetate	ND	10	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	03/26/10 16:02

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil Sampled: 03/19/10 12:00 Received: 03/23/10 10:15									
Tert-butyl alcohol	ND	100	ug/kg dry	1	AC02501	03/25/10	03/25/10	8260B	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*104 %*	*78-115*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*79-118*		"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*	*84-110*		"	"	"	"	
Surrogate: Bromofluorobenzene		*97.6 %*	*81-118*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	03/26/10 16:02

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil Sampled: 03/19/10 12:00 Received: 03/23/10 10:15									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AC02309	03/23/10	03/24/10	8270C	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Ventron-Velsicol Project Number: Ventron-Velsicol 1008 Project Manager: Rick Elia Jr.	**Reported:** 03/26/10 16:02

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil Sampled: 03/19/10 12:00 Received: 03/23/10 10:15									
Diethyl phthalate	ND	67	ug/kg dry	1	AC02309	03/23/10	03/24/10	8270C	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Acetophenone	ND	67	"	"	"	"	"	"	U
Caprolactam	ND	67	"	"	"	"	"	"	U
1,1'-Biphenyl	ND	67	"	"	"	"	"	"	U
Atrazine	ND	67	"	"	"	"	"	"	U
Benzaldehyde	ND	67	"	"	"	"	"	"	U
1,2-Diphenylhydrazine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*69.4 %*	*59-101*	"	"	"	"		
Surrogate: Phenol-d6		*72.3 %*	*64-105*	"	"	"	"		
Surrogate: Nitrobenzene-d5		*73.1 %*	*58-105*	"	"	"	"		
Surrogate: 2-Fluorobiphenyl		*79.2 %*	*67-101*	"	"	"	"		
Surrogate: 2,4,6-Tribromophenol		*89.9 %*	*63-108*	"	"	"	"		
Surrogate: Terphenyl-d14		*88.7 %*	*38-133*	"	"	"	"		

Severson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	03/26/10 16:02

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil Sampled: 03/19/10 12:00 Received: 03/23/10 10:15									
Cyanide (total)	ND	0.50	mg/kg dry	1	AC02411	03/23/10	03/24/10	EPA 9014	
pH	**7.68**	0.10	pH Units	"	AC02615	03/26/10	03/26/10	EPA 9045C	
% Solids	**99.0**	0.1	%	"	AC02407	03/23/10	03/24/10	% calculation	

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY
Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY
GROUP # OC-23005
DUE DATE

PAGE 1 OF 1

REPORT TO:
SEVENSON
JOB 1027
WOOD-RIDGE, NJ
CONTACT: JAYSON STARK
PH #: 201 933-0019
FAX #: 201 933-1996
BILL TO:
SEVENSON
PO#: 1027
PROJECT DESCRIPTION: VENTRON DEVELOPED AREA
SAMPLER SIGNATURE:

DW DRINKING WATER · GW GROUND WATER · SW SURFACE WATER · WW WASTE WATER · O OIL · SL SLUDGE · SD SOIL · S SOLID · W WIPE · OTHER

TURN AROUND TIME: 3 DAY
QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS REQUIRED: YES NO
If yes please attach requirements

Is a QC Package required: YES NO
If yes please attach requirements

ANALYSES TO BE PERFORMED

	SAMPLE I.D	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	NJ DEP RESIDENTIAL CLEAN	PH	TYPE OF CONTAINER/ COMMENTS	OFFICE USE ONLY WST. I.D
1	TILCON I-3 FILL	3/19/10	12:00	SO	4	✓	✓	2-SMALL, 2-LARGE	01
2									
3									
4									
5									
6									
7									
8									
9									
10									

REMARKS:
NEW JERSEY RESIDENTIAL CLEAN SOIL

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY	DATE:	TIME:
	3/29/10	15:00	SEC	3/23/10	10:15
RELINQUISHED BY:	DATE: / /	TIME:	RECEIVED BY	DATE: / /	TIME:

Rip-rap (D50 = 15" and D50 = 6")

TILCON NY - Mt. Hope Facility

Stevenson Environmental
Ventron Site - Woodridge, NJ

Tilcon-NJ confirms that the Rip Rap available at Mt. Hope Quarry Conforms to the quality requirements of section 901 of ***The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.*** It is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mt. Hope Rd. Blk 20001-Lot 6.01Wharton Boro, Morris County NJ. The material is identified on the job with Tilcon NJ delivery tickets.
This Rip Rap has the following properties:

Sodium Sulfate Soundness	(ASTM C88)	**2.0% Loss**
Water Absorption	(ASTM C97)	**0.50%**
LA Abrasion	(ASTM-C535)	**13.65% Loss**
Bulk Specific Gravity	(ASTM-C97)	**2.72**
Freeze-Thaw Test	(ASTM-T103)	**2.4% Loss**

And the following Gradation

D_{100}	22"
D_{50}	15"
D_{10}	6"

If you have anyquestions or concerns, please call.

(973)-366-3740
Central Materials Lab
Tilcon, NJ

TILCON - Pompton Lakes Facility

Sevenson Environmental
Ventron Site - Woodridge, NJ

Tilcon-NJ confirms that the Rip Rap available at Pompton Lakes Quarry Conforms to the quality requirements of section 901 of ***The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.*** It is defined as virgin Gneiss mined at Pompton Lakes Quarry, End of Broad Street Pompton Lakes, NJ. The material is identified on the job with Tilcon NJ delivery tickets.

This Rip Rap has the following properties:

Sodium Sulfate Soundness	(ASTM C88)	**2.0% Loss**
Water Absorption	(ASTM C97)	**0.50%**
LA Abrasion	(ASTM-C535)	**13.65% Loss**
Bulk Specific Gravity	(ASTM-C97)	**2.72**
Freeze-Thaw Test	(ASTM-T103)	**2.4% Loss**

And the following Gradation

D_{100}	12"
D_{50}	6"
D_{10}	3"

If you have anyquestions or concerns, please call.

(973)-659-3618
Central Materials Lab
Tilcon, NJ